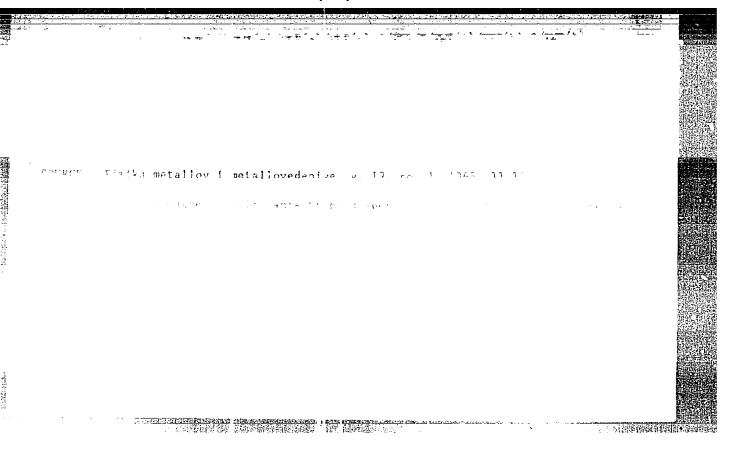
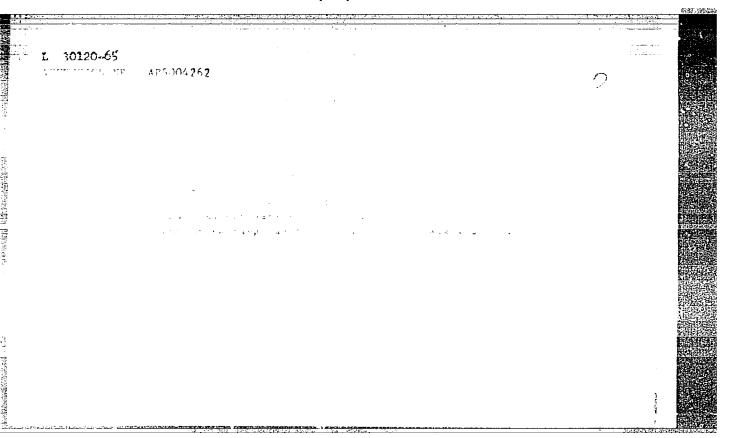
DZHIGIT, I., prof.

Steady business contacts are needed. NTO 2 no.1:12-13 Ja '60. (MIRA 13:5)

1. Zamestitel' predsedatelya Radiosoveta AN SSSR. (Radio research)





DZHIDZHEV, I., inzh.

Influence of the eutectic cell on some properties of gray cast iron. Mashinostroene 13 no.10:30-33 0 '64.

DZHIGIRIS, D.D.; KIRGIZBAYEV, 1.B.

Durability of thermolime concretes manufactured from barchan sands with their partial activation. Izv. All Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.38123-126 464 (MIRA 1821)

1. Institut seysmostoykogo stroitel stva All Turkmenskoy SSR.

PfHIGH, G.A., inch.

Diagram for controlling varived stranges in the dram during the firing of a holler, Env. vys. ucheb. zav.; energ. & no.9:54-60 S (MIRA 18:10)

1. Institut avtomatiki Gosudaratvennogo komiteta FSA i SU. Fredstavlana nasahno-tekhnicheskim Sovetom energatieheskogo otdela.

DZHIGIT, I. S.

PA 19786

USSR/Radar Radio - Rangefinders Aug 1946

"Basic Fadar Techniques," I. S. Dzhigit, 5 pp

"Vestnik Svyazi - Elektro Svyaz'" No 8 (77)

Well illustrated article which gives the Russian opinion on radio detection and ranging techniques as used by the US during the last war.

19786

DZHIGIT, I.S.

"Modern Radar Systèms" (Sovremennye radiolokatsionyye sistemy). VNITO radiotekhniki i elektrosvyazi im. Popova, 80 pp.,1447 (vpokat)

DZHIGIT, I. S.

Istoriia razvitiia i doztizheniia sovetskogo televideniia. _The history of the development and achievements of Soviet television_. (Radiotekhnika, 1947, no. 8, p. 39-43). CU MH NN RPB DLC: Slavic unclass.

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, REference Department, Washington, 1952, Unclassified.

CIA-RDP86-00513R000411910012-2 "APPROVED FOR RELEASE: 03/13/2001

DZHBIT, I.S

DZHIGIT, I.S.

Radiolokatsiia; stenogramma publichnoi lektsii, prochitannoi v Moskve. Moskva, Fravda, 1940. 32 p. illus. Eibliography: p. 31-32.

Title tr.: Radiolocation; stenographic record of a lecture delivered in Moscov.

TK6575.D9

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

| DZHIGIT, 1; PROF | • | PA 190 1 94 |
|------------------|--|---|
| 190194 | USSR/Redio - Electronics (Contd) and Tech Soc of Radio Eng and Elec Communications imeni Popov) and, in Mar 51, was elected chairman of the Council of Radio Phys and Radio Eng, Acad Sci USSR. | USSR/Radio - Electronics Prizes "A. S. Popov Gold Medal Laureate (Academician A. I. Berg)," Prof I. Dzhigit "Radio" No 6, pp 3, 4 Medal was awarded to Berg for outstanding scientific studies and inventions in radio. Reviews Berg's scientific work from 1924 up to now. Majority of these works were on the theory of vacuum tubes, particularly vacuum-tube oscillators. Berg is president of VNORIE (All-Union Sci |

DZHIGIT, I.

May 53

USSR/Electronis - Broadcasting Television Transistors

"Tasks of Soviet Radio Engineering in the Light of the Resolutions of the 19th Party Congress," Professor I. Dzhigit, Vice-Chairman of the Radio Council, Akad Sci USSR

Radio, No 5, pp 4-6

Some of the tasks enumerated are: more research and development on USW broad-casting; higher production of stnd TV transmitting equipment for oblast centers developed by sci-res inst; mass production of large-screen TV receivers; work on radio relay lines; development of special magnetic materials so that magnetic amplifers can operate at higher frequencies; development of methods for producing semi-conductors with definite properties for use in semi-conducting diodes and triodes.

255T101

DZHIGIT, I.

"Problems of Soviet radio technology in the light of the resolutions of the 19th Congress of the Communist Party of the Soliet Union." pl. "The United States appropriates the radio stations in Western Germany." pl. "From the countries of people's democracy." pl. (RADIO PRECLED, Vol. 8, #21, May 1953, bulgaria)

SO: Monthly list of East European Accessions, Vol. 2, #8, Library of Congress, August, 1954, Uncl.

DZHIGIT, I.S.

Aksel! Ivanovich Berg, member of the Academy of Sciences; on his 60th birthday. Izv.AN SSSR Otd.tekh.nauk no.12:1870-1874 D '53. (MIRA 7:2)

BORISOV, Viktor Gavrilovich; BERG, A.I.; DZHIGIT, I.S.; YELIN, O.G., KULIKOVSKIY, A.A.; MOZHZHEVELOV. B.N.; SHIRBOV, A.D.; TARASOV, F.I.; TRAMM, B.F.; CHECHIK, P.O.; SHAMSHUR, V.I.; MALININ, R.M. redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[Young radio amateur] IUnyi radioliubitel'. Isd. 2-oe, ispr.i dop. Moskva, Gos.energ.isd-vo 1955. 271 p.(Massovaia radio-biblioteka, no.224) (MLRA 8:11) (Radio--Amateurs' manuals)

DZHIGIT, I.S.

CHECHIK, Petr Oskarovich; BERG, A.I., redaktor; DZHIGIT, I.S., redaktor KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor TRAMM, B.F., redaktor; SHAMSHUR, V.I., redaktor; TARASOV, F.I., redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[New sources of current for radio apparatus] Novye istochniki pitaniia radioapparatury, Moskva, Gos. energ. izd-vo, 1956. 39 p. (Massovaia radiobiblioteka, no.257) (MIRA 10:5) (Radio--Apparatus and supplies) (Electric batteries)

GONCHARSKIY, Lush Abramovich; BERG, A.I., redaktor; DZHIGIT, I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; FROYMAN, A.I., redaktor; IARIONOV, G.Ye., tekhnicheskiy redaktor

[Electron tubes with mechanical controls] Elektronnaia lampa s mekhanicheskim upravleniem. Moskva, Gos.energ. izd-vo 1956. 39 p. (Massovais radiobiblioteks, no.243) (MIRA 9:8) (Electron tubes)

DZIIIGIT, I.S.

ZAGIK, Semen Yefimovich; KAPCHINSKIY, Lev, Mikhaylovich; HERG, A.I., redaktor; DZHIGIT, I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRHOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; OVCHARRNKO, Ye. P., redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[Television reception antennas] Priemnye televizionnye antenny.
Moskva, Gos. energ. izd-vo, 1956. 47 p. (MIRA 10:4)
(Television-Antennas)

DZHIGIT, J.S.

MIKHLIN, Berka Zys'yevich; HERG, A.I., redaktor; DZHIGIT, I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SHIRNOV, A.D., redaktor; TRAMN, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; GIMZBURG, Z.B., redaktor; CHERNOV, V.S., tekhnicheskiy redaktor

[Electronic instruments for production control] Radioelektronnye pribory dlia proizvodstvennogo kontrolia. Moskva, Gos. energ. izd-vo, 1956. 62 p. (Massovaia radiobiblioteka, no.258) (Automatic control) (Electronic instruments) (Production control)

DIHIGIT, I.S.

KUBARKIN, Leontiy Vladimirovich; BERG, A.I., redaktor; DZHIGIT, I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I. redaktor; GINZBURG, Z.B., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor

[Radio circuit primer] Azbuka radioskhem. Moskva, Gos. energ, izd-vo, 1956. 63 p. (Massovaia radiobiblioteka, no.259) (MLRA 10:5) (Radio circuits)

SHUL'GIN, Konstantin Aleksandrevich; BERG, A.I., redaktor; DZHIGIT I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; MEL'NIKOVSKAYA, R.D., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor.

[Hew a radio receiver werks] Kak rabotaet radiopriemnik. Meskva, Ges. energ. isd-ve, 1956. 78 p. (Massevaia radiobiblioteka, no.242) (Radio-Receivers and reception)

DZHIGIT, 15

BERG, A.I., akademik, redaktor; DZHIGIT, I.S., professor, redaktor; KLYAUS, Ye.M., redaktor; POLYAKOVA, T.V., tekhnicheskiy redaktor

[Radio and electronics and their technical application] Radiotekhnika i elektronika i ikh tekhnicheskoe primenenie. Moskva. 1956. 127 p. (MIRA 9:3)

1. Akademiya mauk SSSR (Radio) (Electronics)

DZHIGIT, I., professor.

Winner of the A.S.Pepev gold medal. Radie ne.7:12 J1 156. (MIRA 9:9) (Pistel'kers, Aleksandr Aleksandrevich, 1896-)

DZHIGIT, 1.S., professor.

Electronics of today and tomorrow. Nauka i zhizn' 23 no.11:29-32 N '56. (MLRA 9:11) (Electronics) (Radar) (Radio in aeronautics)

DZHIGIT, I.S.

LEVANDOVSKIY, Boris Andreyevich; BERG, A.I., red.; DZHIGIT, I.S., red.; KULIKOVSKIY, A.A., red.; SMIRHOV, A.D., red.; TARASOV, P.I., red.; TRAMM, B.F., red.; CHECHIK, P.O., red.; SHAMSHUR, V.I., red.; SOBOLEVSKIY, A.G., red.; CHERHOV, V.S., tekhn.red.

[Portable ultrashort wave radio station] Perenosnaia UKV radiostantsiia. Koskva, Gos.energ.izd-vo, 1957. 31 p. (Massovaia radiobiblioteka, no.278) (MIRA 10:11) (Radio--Receivers and reception) (Radio--Transmitters and transmission)

PZHIGIT, I.S.

YAKOVLEV, Valeriy Vladimirovich; HERG, A.I., redaktor; DZHIGIT, I.S., redaktor; XULIKOVSKIY, A.A., redaktor; SMIRHOV, A.D., redaktor; TARASOV, F.I., redaktor; CHECHIK, P.O., redaktor, SHAMSHUR, V.I., redaktor; PLENKIN, Yu.N., redaktor; MEDVEDEV, L.M., tekhnicheskiy redaktor.

[Amateurs' receiving sets using transistors] Liubitel'skie priemniki na poluprovodnikovykh triodakh. Moskva, Gos.energ.izd-vo, 1957. 39 p. (Massovaia radiobiblioteka, no.275) (MIRA 10:11) (Radio--Receiver and reception) (Transistors)

DZHIGIT, I.S.

TARASOV, F.I.; HERG, A.I., redaktor; DZHIGIT, I,S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRHOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; YENYUMIN, V.V., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Piagrams of low-frequency amplifiers for amateurs] Skhemy radioliubitel'skikh usilitelei nizkoi chastoty. Moskva, Gob. energ. izd-vo, 1957. 61 p. (Massovaia radiobiblioteka, no. 264) (MLRA 10:4)

PRHOHI, I.SI

GRUDINSKAYA, Galina Petrovna; HERG, A.I., red.; DZHIGIT, I.S., red.; KULIKOVSKIY, A.A., red.; SMIRNOV, A.D., red.; TARASOV, F.I., red.; CHECHIK, P.O., red.; SHAMSHUR, V.I., red.; LARIONOV, G.Ye., tekhn.red.

[Ultra-short radio wave propagation] Rasprostranenie ul'trakorotkikh radiovoln. Moskva, Gos.energ.izd-vo, 1957. 62 p. (Massovaia radiobiblioteka, no.281) (Radio, Shortwave)

KAZARYAH, Bafael' Avetisovich; KUVSHINOV, Boris Ivanovich; NAZAROV,
hikhail Vasil'yevich, BERG, A.I., redaktor; DZHIGIT, I.S., redaktor;
KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor;
TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor;
SHAMSHUR, V.I., redaktor; KHARKEVICH, A.A., redaktor; HEDVEDEV,
L. Ya., tekhnicheskiy redaktor

 $P(\overline{x}, \overline{x}, \overline{y}, \lambda, x, y)$

[Elements of the general theory of communications] Elementy obshohei teorii sviazi. Moskva, Gos. energ. izd-vo, 1957.
94 p. (Massovaia radiobiblioteka, no.263) (MLRA 10:4)
(Telecommonication)

DZHIGIT, I. S.

EROYDE, Abram Markovich, ; TARASOV, F.I., redaktor; EERG, A.I., redaktor; DZHIGIT, I.S., redaktor. KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TRAMM, V.F., redaktor, ; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor.

[Handbook on electron tube and semiconductor apparatus] Spravochnik po elektrovakuumnym i poluprovodnikovym priboram. Moskva, Gos.energ.isd-vo, 1957. 175 p. (Massovaia radiobiblioteka, no.269) (MIRA 10:5) (Electronic apparatus and appliances)

DZHIGIT, I.S.

107-57-5-12/63

AUTHOR: Dzhigit, I., Professor, Deputy Chairman of the Radio Board, AS USSR

TITLE: Scientific Investigations in the Domain of Radio

(Nauchnyye issledovaniya v oblasti radio) PERIODICAL: Radio, 1957, Nr 5, pp 10-11 (USSR)

ABSTRACT: A number of major investigations and the scientists engaged in them are listed. S.M. Rytov, Doctor of Physical and Mathematical Sciences, and E.M. Lifshits, Doctor of Physical and Mathematical Sciences, are trying to develop a correlation theory of electrical fluctuations and heat radiation at the Physical Institute of the AS USSR. Professor G.S. Gorelik and his group are working on fluctuations in self-oscillatory systems and on delayed-feedback oscillators at the Institute of Radio Engineering and Electronics of the AS USSR. At the same Institute serious studies of the theory and technique of antennas are being conducted under the guidance of A.A. Pistol'kors, Corresponding Member, AS USSR. The Institute of Semiconductors, the Physical Institute, the Physico-Technical Institute, and the Institute of Radio-Engineering and Electronics, AS USSR, conduct a series of studies of the theory and phenomena in semiconductors, try to design new semiconductor devices, to expand their frequency and temperature limitations, and to improve their reliability. In the domain of shf Professor L.A. Vaynshteyn is trying to work out a nonlinear theory of TW tubes, V.T. Ovcharov, Candidate of Technical Sciences, is working on focusing of an electron beam, and Z.S. Card 1/2

107-57-5-12/63

Scientific Investigations in the Domain of Radio

Chernov is developing spiratrons with a centrifugal electrostatic focusing of electron beams. Extensive investigations and developments of particle accelerators have been conducted at the Radio-Engineering Laboratory, AS USSR, under the guidance of A.L. Mints, Corresponding Member, AS USSR. Variable-base radiointerferometers, 10, 20, and 50 cm, have been designed at the Crimean Base of the Physical Institute imeni P.N. Lebedev, AS USSR. A new type of radio telescope has been designed at the Glavnaya astrofizicheskaya observatoriya (Main Astrophysical Observatory), Pulkovo, under the guidance of Professor Khaykin, S.E. The reflector of the radiotelescope consists of a number of individual mecanically independent $1\frac{1}{8} \times 3$ m plates. Electron inhomogeneities in the Earth atmosphere have been studied at FIAN under the guidance of V.V. Vitkevich, Candidate of Physical and Mathematical Sciences. Irregularities in vertical refraction of radio waves were discovered, and their relation with wavelength was found. Extensive studies of long-distance scatter tropospheric propagation have been conducted under the guidance of Academician B.A. Vvedenskiy and late Professor A.G. Arenberg. Further statistical studies in this field are being conducted by Professor G.S. Gorelik. A theory of ionospheric propagation of radio waves is being developed under the guidance of V.L. Ginzburg, Corresponding Member of the AS USSR.

AVAILABLE: Library of Congress

Card 2/2

DZHIGIT, I.S.

108-10-9/11

AUTHORS:

Dzhigit, I.S., Zhabotinskiy, M.Ye., Ordinary Hembers of the

Society

TITLE:

Some New Branches of Radio-Electronics (Mekotoryye novyye razdely

radioelektroniki)

PERIODICAL:

Radiotekhnika, 1957, Vol. 12, Nr 10, pp. 85 - 93 (USSR)

ABSTRACT:

The following branches have been newly developed and finally formed: radio navigation, radio-spectroscopy, radio-meterology, radio-remote-control, radio-astronomy, radio-relay-connection and many others. Here the development of radio-astronomy and radio-spectroscopy is described shortly. At the borderlines of three sciences (astronomy, physics and radio engineering) radio-astronomy greatly extends the possibilities for the investigation of the universe by means of methods not accessible to optical astronomy. Two methods are used in radio-astronomy: the observation of the radio-radiation of the celestal bodies themselves, and the reception of the radio-waves transmitted from the earth and reflected from the objects observed. The following institutes in the USSR are concerned with the investigation of meteors: The Institute for Physics and Geophysics of the

Card 1/2

Some New Branches of Radio-Electronics

108-10-9/11

Turkmenian AN under the direction of I.S. Astapovich, the Astronomic Observatory in Kazan under the direction of K.V. Kostyrev, and the Observatory of Stalingrad (Tadzhikistan). The Institute for Physics of the AN USSR has two radio-telescopes with reflectors of 18 m x 8 m and two fixed parabolic mirrors of a diameter of 30 m on the Crimean peninsula. In the Armenian republic radio-telescopes with a surface of some thousand square meters are built in the Astrophysical Observatory in Byurakan for the observation of discreet sources of radio-radiation within the range of meter waves. In the astronomic main observatory of the USSR there is the greatest radio-telescope of the world for the range of centimeter waves. It is designed for the observation of the sun. A survey of the works of N.G. Basov and A.M. Prokhorov in the field of the generation and the amplification of radio waves is given. There are 15 Slavic references.

SUBMITTED:

August 12, 1957

ASSOCIATION:

Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi

im. A.S. Popova

AVAILABLE: Card 2/2

Library of Congress

ANDREYEV, Igor' Vasil'yevich, BERG, A.I., red.; BURLYAND, V.A., red.;
VANEYEV, V.I., red.; GENISHTA, Ye.N., red.; DZHIGIT, I.S., red.;
KANAYEVA, A.M., red.; ERZHKEL', E.T., red.; KULIKOVSKIY, A.A., red.;
SMIRNOV, A.D., red.; TABASOV, F.I., red.; CHECHIK. P.O., red.; SHAMEHUR,
V.I., red.; GANZBURG, M.D., red.; MEDVEDEV, L.Ye., tekhnored.

[Cabinet designs for radio receivers] Vneshnee oformlenie priemnika.

Moskva, Gos. energ. isd-vo, 1958. 46 p. (MIRA 11:8)

(Radio--Receivers and reception)

MEERSON, Anatoliy Meyerovich, BERG, A.I., red.; BURGLYAND, V.A., red.;
VANETEV, V.I., red.; GENISHTE, Ye.N., red.; ZHIGIT, I.S., red.;
KANAYEVA, A.M., red.; KHENKEL', E.T., red.; KULIKOVSKIY, A.A., red.;
SM IBHOV, A.D., red.; TARASOV, F.I., red.; CHECHIK, P.O., red.[decesed]
SHANSHUR, V.I., red.; BORUNOV, N.I., tekhn.red.

[Testing radio tubes] Ispytanie radiolamp. Moskva, Gos. energ.
isd-vo. 1958. 61 p. (Massovaia radiobiblioteka no.303) (NIRA 11:9)
(Electron tubes—Testing)

DZHIGIT I.S.

KUGUSHEV, Aleksendr Mikhaylovich; BERG, A.I., red.; BURDEYNYY, F.I., red.;
BURLYAND, V.A., red.; VANEYEV, V.I., red.; GERISHTA, Ye.H., red.;
EZHIGIT, I.S., red.; KANAYEVA, A.M., red.; KRENKEL', E.T., red.;
KULIKOVSKIY, A.A., red.; SMIRNOV, A.D., red.; TARASOV, F.I., red.;
CHECHIK, P.O., red.; SHAMSHUR, V.I., red.; BORUNOV, N.I., tekhn. red.

[Modern radio electronics] Sovremennaia radioelektronika. Moskva. Gos. energ. izd-vo. 1958. 62 p. (Massovaia radiobiblioteka. no. 300). (MIRA 11:11)

(Electronics)

SOBOLEVSKIY, Anatoliy Georgiyevich; BERG, A.I., red.; BURLYAND, V.A., red.; VANEYEV, V.I., red.; GENISHTA, Ye.N., red.; DZHIGIT, I.S., red.; KANAYEVA, A.M., red.; KRENKEL', E.T., red.; KULIKOVSKIY, A.A., red.; SMIRNOV, A.D., red.; TARASOV, F.I., red.; SHAMSHUR, V.I., red.; KRIBITSKIY, B.Kh., red.; LARIONOV, G.Ye., tekhn. red.

[Pulse techniques] Impul'smaia tekhnika. Moskva, Gos. energ. izd-vo, 1958. 167. (Massovaia radiobiblioteka, no. 308). (MIRA 11:11) (Pulse techniques(Electronics))

ZHABOTINSKIY, Mark Yefremovich; RADUNSKAYA, Irina L'vovna; DZHIGIT, I.S., otv.red.; GESSEN, L.V., red.izd-va; POLENOVA, T.P., tekhn.red.

[Present-day radio] Radio nashikh dnei. Moskva, Izd-vo Akad. nauk SSSR, 1959. 262 p. (MIRA 12:6) (Radio)

DZHIGIT, I.S., prof., red.; SOLOV'YKV, Ye.G., kand.tekhn.nauk, red.;
AKALUHIN, S., red.; LARIONOV, G.Ye., tekhn.red.

[Transactions of the Congress on Ultra-High Frequency Electronics]
Trudy Konferentsii po elektronike SVCH. Pod red. I.S.Dzhigita i
B.G.Solovieva. Moskva, Gos.energ.izd-vo, 1959. 271 p.

(MIRA 12:9)

1. Konferentsiya po elektronika SVCh, Moscow, 1957. (Electronics)

05910

9(3)

SOV/107-59-7-13/42

AUTHOR:

Dzhigit, I. S., Professor, Deputy Chairman

TITLE:

Outstanding Scientists Are Laureates of the Gold

Medal Imeni A.S. Popov

PERIODICAL:

Radio, Nr 7, Nr 7, p 14 (USSR)

ABSTRACT:

In 1959, two Gold Medals imeni A.S. Popov were awarded by the Presidium Akademii nauk SSSR (Presidium of the USSR Academy of Sciences) to Doctor of Physical-Mathematical Sciences, Sergey Mikhaylovich Rytov and to the British scientist, Doctor Lewis Essen of the National Laboratory of Physics. Rytov received the award for his work in the field of statistical radiophysics, especially the theory of thermal fluctuations in distributed systems and the propagation of waves in mediums with statistically changing parameters. Rytov published more than 50 papers, among them "The Correlation Theory of Electrical Fluctuations and Thermal Radiation". "Thermal

Card 1/2

05910 SOV/107-59-7-13/42

Outstanding Scientists Are Laureates of the Gold Medal Imeni A.S. Popov

Fluctuations in Distributed Systems", which are based on the monography "The Theory of Electrical Fluctuations and Thermal Radiation" (1953). Further, he wrote papers on "The Problem of Phase Fluctuation in a Tube Oscillator" and "The Spectrum of a Quasi-Linear Random Process". In connection with the achievements of L. Essen, who designed the atomic frequency standard using a beam of cesium atoms, the author mentions the work of N.G.Basov and A.M. Prokhorov who developed another method for such an atomic standard which is based on a maser.

ASSOCIATION: Radiosovet AN SSSR (Radio Council of the AS USSR) Card 2/2

POPOV, Petr Aleksendrovich; HERG, A.I., red.; BURDEYNYY, F.I., red.;
BURLYAND, V.A., red.; VANEYEV, V.I., red.; GENISHTA, Ye.N.,
red.; DZHIGIT, I.S., red.; KANAYEVA, A.M., red.; KRENKEL',
E.T., red.; KULIKOVSKIY, A.A., red.; SHIRNOV, A.D., red.;
TARASOV, F.I., red.; SHAMSHUR, V.I., red.; KULIKOVSKIY, A.A.,
red.; LARIONOV, G.Ye., tekhn, red.

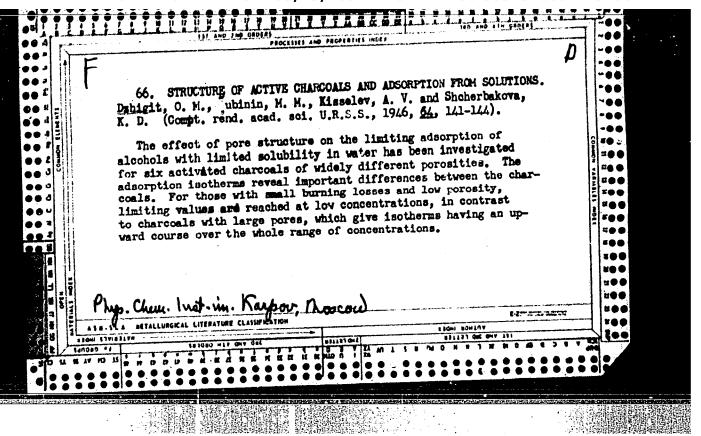
[Design of audio frequency transistor amplifiers] Raschet tranzistornykh usilitelei zvukovoi chastoty. Moskva, Gos. energ. isd-vo, 1960. 103 p. (Massovaya radiobiblioteka, no.378)
(MIRA 14:5)

(Transistor amplifiers)

DZHIGIT, I.S. -1902-1964

RADIOVEKUNIKA -19 - No. 5:80-MT LY

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DZHIGIT, C. M., FISHLEY, A. V. and FRASIL'MIKCY, E. G.
"Capillary," Dok. AN, 56, No. 3, 1947

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| nat in series se | USER/Chemistry - Adsorbents Chemistry - Carbons, Active "Adsorption Properties and the Structure ents: II, Adsorption in Active Carbon So Widely Varying Concentrations," O. M. Dri Kiselev, M. G. Terekhova, K. D. Shoherbal State U; Lab of Adsorption, Acad Soi USE Phys Chem, Moscov, 11 pp "Zhur Fiz Khim" Vol XXII, No 1, pp 107-2 |
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| arbo | mistry - Adsorbents mistry - Carbons, Active ion Properties and the Structure of I, Adsorption in Active Carbon Solu arying Concentrations," O. M. Drhig M. G. Terekhova, K. D. Shoherbakov Lab of Adsorption, Acad Sci USSR; m, Moscow, 11 pp z Khim" Vol XXII, No 1, pp 107-20. |
| of the second | Structure of Ad Carbon Solution O. M. Dinigit, Shoherbakova; Ins. 1801 USER; Ins. pp 107-20. |
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| st the sake of the | Haira Buchia |
| not the part of th | ਜੱ ਂ ਡ ੂ ੈ ਯੋਂ ਜ਼ਰੂਰ |
| | 1948 |
| | Study general types of adsorption isotherms of surface active substances found in solutions of weak adsorbent soluble materials. Adsorption of mixtures of 578 6578 WESH/Chemistry - Adsorbents (Contd) Water and acid or alcohols passes through maximum and decreases. Subdivision and cyclization of the adsorbent molecules decreases the degree to which they submitted in May 1947. |

DZHIGIT, O. M.

USSR/Chemistry- Silica, Colloidal Chemistry- Absorption

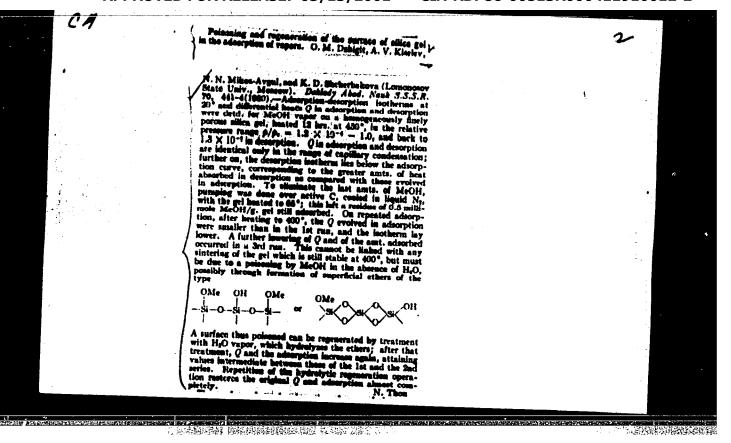
May 1948

"Influence of the Conditions of Preparation on the structure of Silica Gel," G. K. B orsakov, M. S. B osisova, O. M. Dshigit, V. A. Dsis*ko, V. P. Draving, A. V. Kiselev, O. A. Kikhacheva, Moscow State U imeni M. V. Lomonosov, Rys Chem Inst imeni L. Yal Karpov, Moscow, 14 pp

"Zhur Fis Khim" Vol XXII, No 5

Samples of various types of silica gel (vitreous, chalky, etc.) obtained by different methods and their absorbent properties compared. Results are tabulated and shown graphically Submitted 14 Aug 1947.

PA 68T24



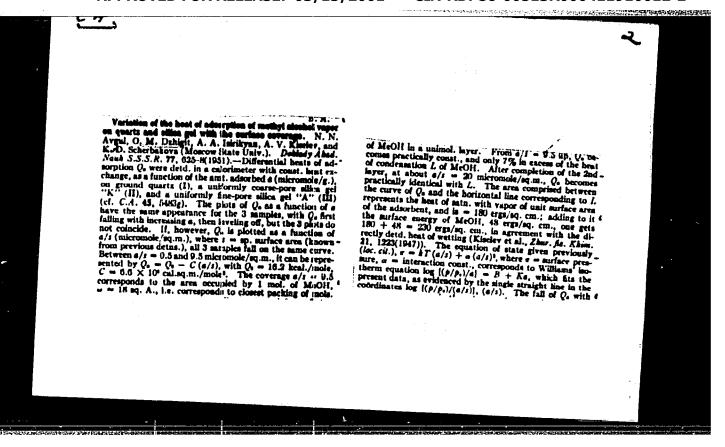
(1960).—The anits, of Ca(OID), in mg.-equiv./g., webed from a clear sq. sain, after a stated length of line it he to anyther agreement to the state of the structure of the elika gal on the velocity of the nervice of calcium hydroxide from account of the conditions. Poer vol. distribution and considerable hydroxide in the conditions. Poer vol. distribution and considerable hydroxide read gall (f), characterized by mother conditions. Poer vol. distribution and considerable hydroxide in the surprise of calcium hydroxide from account of the conditions. Poer vol. distribution and conditions. Poer vol. distribution of the first conditions of the first conditions of the first conditions. Poer vol. distribution of the first conditions of the substitute of the substitute conditions. Poer vol. distribution is the substitute of the substitute of the first conditions of the first conditions of the substitute of

DZHIGIT, C. 18573 Results obtained by the 3 methods checked. adsorption method, method of pressing Hg into the pores, and electronic microscope method. Detd distribution of vol of pores by structuresorbent and not to depend on nature of vapor. edsorbed film to be equal to surface of the ad-USSR/Chemistry - Adsorption McOH were taken on uniform roughly porous silice Adsorption isotherms of benzene, heptane, and "Dok Ak Hauk SSSR" Vol LXXVI, No 6, pp 855-858 by Several Independent Methods," N.N. Avgul', O.M. Dzhigit, N.M. Kamakin, A.V. Kiselev, V. M. Luk'yanovich, I.Ye. Neymark, R. Yu. Sheynfayn, Acad Sci USSR, Groznyy Sci Res Petroleum Inst Chem, Acad Sci Ukranian SSR, Inst Phys Chem, Moscow State U imeni M.V. Lomonosov, Inst Phys "Investigation of the Structure of an Adsorbent USSR/Chemistry -. Adsorption (structural type 2). Found surface of (Contd) 21 Feb 51 21 Feb 51 185173 185113

CH

Absolute adsorption isotherms of vapors on quarks and on silion gole of different structures. N. N. Avgul, O. M. Dablait, V. P. Draving, M. V. Gur'ev, A. V. Kieder', and O. A. Likhacheva (Moscow Basta Univ.). Deblady Abel. Neah S.S.S.R. 77, 77-80(1961)—Abs. adsorption isotherms, i.e. adsorption isotherms returned to unit surface area, were calcd. from previously obtained captl. data for (I) fisely ground cryst. quarts, (II) coarse-pore silica get "E" (C.A. 43, 4906/), optimum pore diam. about 200 A., and (III) coarse-pore silica get "K," prepd. by hydrolysis of SiCl. (C.A. 30, 4363°; 30, 3715°), optimum pore diam. 90 A. Sp. surface area were deid., for I, by adsorption of N₂ at 195.7°, z (eladeton surface area.) = 6.7 sq. m./g. by the Brunauer, Rumarett, Teller sectiod, 6.6 by the Harkins method, snam 6.2 sq. m./g.; for II, by adsorption of Crifia, Calla, and McOlf vapors at 30°, z' (adsorption flow at the beginning of hysteresis = 130, 230, and 300, mean 320 sq. m./g.; III, by adsorption of N₂ at 195.7°, z = 440 (II.E.T.) and 430 ((ilarkins); by adsorption of Crifia at 20°, z' = 300, and by adsorption of H₂O vapor at 18.2°, z' = 410, mans 430 sq. m./g. Referred to unit surface area, adsorption isotherms of McOli vapor coincide very exactly for I, II, and III, up to the

beginning of the hysteresis loop (relative pressure \$\rho p_{\text{0.5}} \to 0.5). Not only unimol., but also multimol., adsorptions are analogous; on the silica gels, adsorption is followed by capillary condensation which begins at the lower film thickness on the finer III than on the courser II. The data of Palmer (C.A. 32, 3684) on adsorption of C.14, vapor on quartz glass powder fit the same curve if his sp. surface areas, detd. from rates of solar, and evidently too low, are multiplied by a factor of 1.75. Multimol, adsorption results in films so thicker than 2-3 mois, even at \$\rho p_{\rho} = 0.9; this contradicts assertions of allegedly very thick multimol, adsorption layers formed is the adsorption of vapors (Dergagia, et el., Dellady Ahed Newh S.S.S.R. \$7, 607(1947)). In order to decide whether the constancy of the abs. adsorption, per unit surface area, applies also to highly fine-pore adsorbents, adsorption isotherms of vapors of N₁, McOll, and C.14a. were recalcd, for (IV) silica gel "A" (C.A. 43). (C.A. 43) as B.B.T. sp. surface area \(r = 380 \), Harkins 450, mean 420 ag. m./g. With the latter value, the adsorption inferms of IV coincide with those of I and III for N₁, and with those of I, II, and III, for McOll, but for C.14a the curves of W and III diverge sharply. This indicates that the narrowness of the pores of IV plays no role in the adsorption of the small mois of N₁ and McOll, but does have a marked effect with the large mois, of C.14a. These findings provide a simple method for the detns. of the sp. surface of a silica gel. It is enough to det, the adsorption as of McOH vapor at one \(\rho p_{\rho} \), and to multiply it by the corresponding factor, e.g. 145 at \(\rho p_{\rho} \), if a is expressed in millimole./g.



curves will yield a more exact idea of the pore micropores as compared with large pores). The findings are shown in tables and graphs. It is hoped that a more rigid analysis of desorption structure of activated carbon. differed greatly in structure (monodisperse at 25° C on 2 activated carbon, samples which description of vapors of benzene, n-pentane, n-butanol, and methanol at 200 C and of water vapor adsorbed quantities, the isotherms of sorption and Detailed study by the vacuum method was made of the "Dok Ak Nauk SSSR" Vol LXXIX, No 3, pp 451-455 A. V. Kiselev, Inst of Phys Chem, Acad Sci USSR, and Moscow State U imeni Lomonosov Sorption Effect on Various Gaseous Substances," M. N. Avgul', O. M. Dzhigit, Acad M. M. Dubinin, USSR/Chemistry - Adsorption "The Structure of Activated Carbons and Their 21 Jul **STATE** 6TITIS ኒ

pendent of the nature of the vapor.

of the vapors in the silica gel pores and is inde-

APPROVED FOR RELEASE: 03/13/2001

USSR/Chemistry - Adsorption

"Peculiarities of Adsorption of Different Vapors on Silica Gel," N. N. Avgul', O. M. Dzhigit, A. V. Kiseley, K. D. Shcherbakova, Moscov State U imeni M. V. Lomonosov; Inst Phys Chem Acad Sci USSR

The isotherms of adsorption of n-heptane, methyl Zhur Fiz Khim, Vol 26, No 7, pp 977-985

and, in the case of the adsorption of vapors a reproducible hysteresis under high vapor pressures of polar substances, a nonreproducible hysteresis

silica gel were studied. All these isotherms have alcohol and water vapor on coarsely porous pure

is solely dependent on the capillary condensation sorption hysteresis at comparatively high pressures when the vapor tension is low. The reproducible

PA 248T9

to physical adsorption.

adsorption correspond in all instances essentially

The isotherms obtained for primary ad-

such hysteresis; because the adsorption is purely During the adsorption of heptane vapors there is no vapors, occurs when there is partial chemosorption. noted in the adsorption of methyl alcohol and water dueible hysteresis at comparatively low pressures,

CIA-RDP86-00513R000411910012-2"

Jul 52

USSR/Chemistry - Adsorption

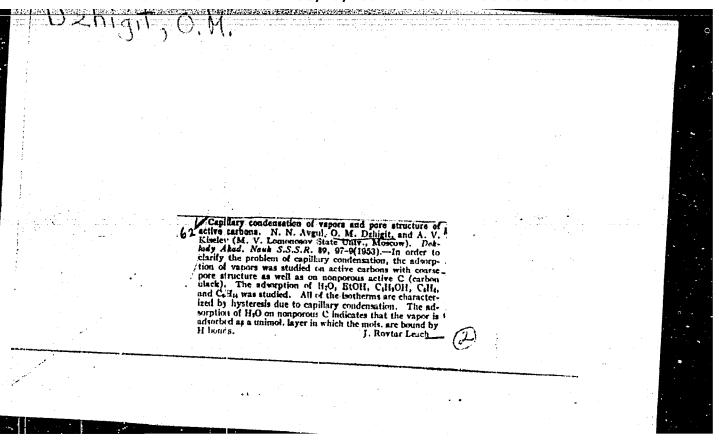
"The Dependence of the Heat of Wetting of Silica Gel by Water on the Degree of Filling of Its Surface," A. V. Kiselev, K. G. Krasil'nikov, N. L. Pokrovskiy, N. N. Avgul', O. M. Dzhigit and K. D. Shcherbakova, Moscow State U imeni M. V. Lomonosov.

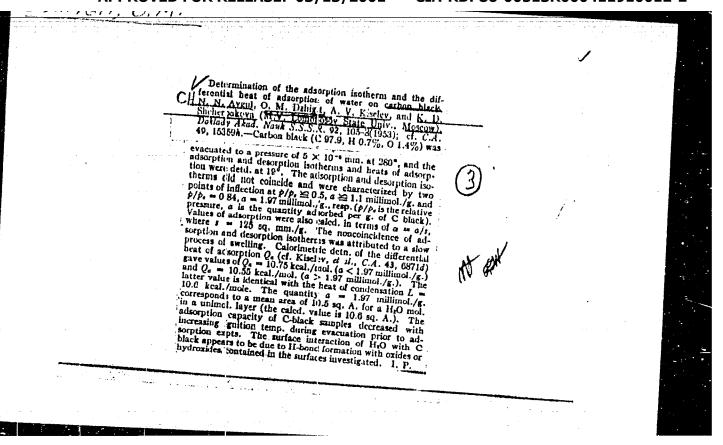
Zhur Fiz Khim, Vol 26, No 7, pp 986-997

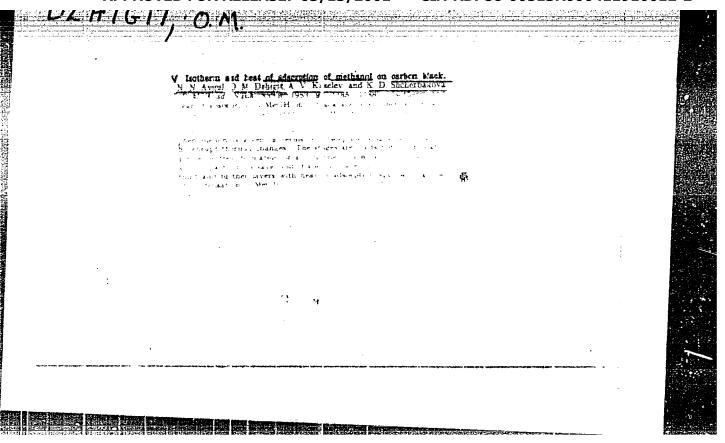
This work has both theoretical and practical value. The dependence of the heat of wetting of silica gel by water, on the quantity of previously adsorbed water, was measured on a homogeneous, coarsely porous silica gel made from SiCl and having a known specific surface. Results of the measurements established their abs dependence of the heat of wetting by water and the differential heat of adsorption of the water vapor on amount of water adsorbed per unit of surface. The differential heat of adsorption of water vapor decreases in proportion to the increase in the degree of filling of the surface.

PA 248T10

| DZHIGIT, | O . M . | | | PA 234 | T17 | |
|----------|---------|---|---|---|--------------------------------------|--|
| | 234177 | purpose of the investigation was to investigate the adsorptive properties of the carbon surface itself and to eliminate the effect of pores, which is prominent in ordinary gas-mask carbon. Presented by Acad M. M. Dubinin 27 Jun 52. | "Dok Ak Hauk SSSR" Vol 85, No 1, pp 95-98 Adsorption isotherms of water, methyl alc, and benzene on carbon black are constructed for 0 to 1 p/pg. Each isotherm is characteristically different from the others. The specific characteristics and differences are described. The 234717 | Adsorption of Vapors on Nonporous Activated Carbon, Particularly Carbon Black," N. N. Avgul', O. M. Dzhigit, A. V. Kiselev, Moscow State U imeni M. V. Lomonosov and Inst of Phys Chem, Acad Sci USSR | USSR/Chemistry - Adsorption 1 Sep 52 | |







USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 147 - 14/25

Authors

Institution:

Dzhigit, O. M.; Kiselev, A. V.; Neymark, I. E. The second secon

Title Standard series of silica gels and their structure

Zhur. fiz. khim. 28/10, 1804-1811, Oct 1954 Periodical:

Abstract

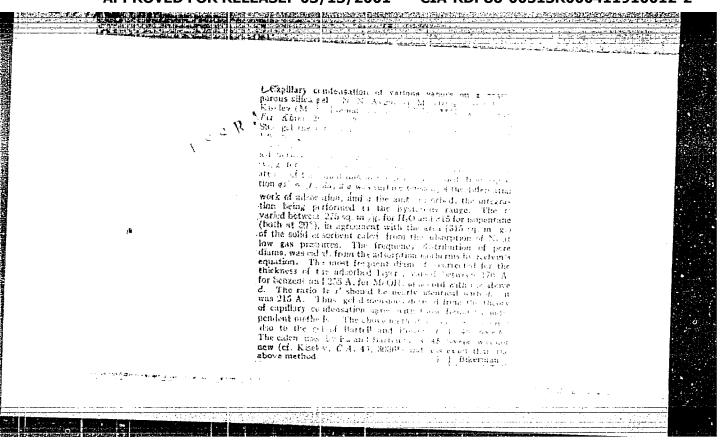
Various standard silica gel samples were investigated to determine the effect of pore narrowing on the absolute adsorption properties of Si02. nH20 type adsorbents (from nonporous quartz to the finest porous silica gels). It was found that the change in the form of absolute isotherms, which takes place during reduction of pore dimensions and increase in molar volume of the adsorbed substance, is due to the intensification of the adsorption bond which is usually attributed to the dispersion forces having additive characteristics. The connection between the pore structure and the skeletal structure of silica gels was investigated and the results obtained are described. Forty-one references: 36-USSR; 2-USA; 2-German

and 1-F-rench (1932-1954). Table; graphs.

Acad. of Sc. Ukr-SSR, The L. V. Pisarzhevskiy Institute of Physical

Chemistry and the M. V. Lomonosov State University, Moscow

Submitted: February 28, 1954



DZHIQIT, O.M.

USER/ Chemistry - Physical chemistry

Card 1/2

Pub. 22 - 24/51

Authora

* Avgul', N. N.; Dzhigit, O. M.; Kiselev, A. V.; and Shcherbakova, K. D.

Title

The isotherm and the neat of adsorption of water vapors over carbon

Periodical

Dok. AN SSSR 101/2, 285-288, Mar 11, 1955

Abstract

The isotherm and the heat of water vapor adsorption were investigated for a finely porous sugar carbon activated in a CO₂ stream at 1000°. Results indicate that the monomolecular water adsorption on the oxidized surface is followed by capillary condensation in the pores.

Institution:

Acad. of Sc. USSR, Inst. of Phys. Chem. and the M. V. Lomonosov State Univ. Moscow.

Presented by:

Academician M. M. Dubinin, October 5, 1954

Periodical : Dok. AN SSER 101/2, 285-288, Mar 11, 1955

Uard 2/2 Pub. 22 - 24/51

Abstract : The pore structure of the carbon was found to have a specific effect on the water vapor adsorption. The monomolecular adsorption and the capillary water vapor condensation apparently superimpose on each other because of

the small pore dimension of this carbon. Thirteen references: 7 USSR and 6 USA (1927-1954). Graphs.

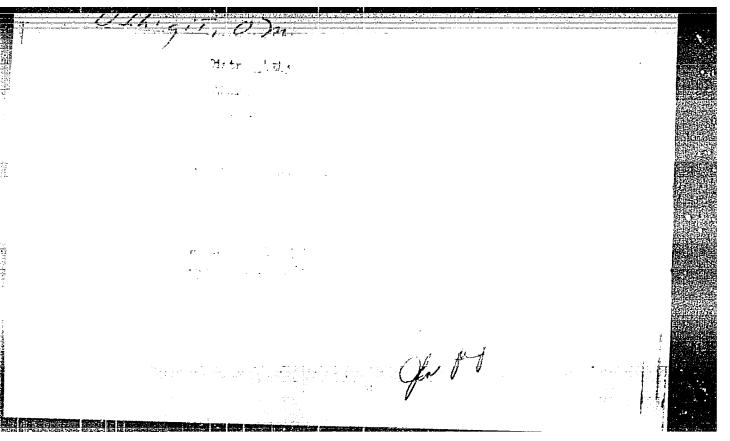
DZHIGIT, O. M. Cand Chem Sci -- (diss) "Effect of the chemical nature and porosity of silicon" dioxides and graphitic substances on adsorption of vapors." Mos, 1957 12 pp 22 cm. (Mos State Univ im M. V. Lomonosov), 100 copies (KL, 15-57, 106)

-11-

DZHIBIT C. M

KISELEV , A.V., professor, redaktor, DZHIGIT, O.M., redaktor; MEZ'YER, V.V., tekhnicheskiy redaktor

[Surface chemical compounds and their role in adsorption; a collection of papers didicated to the 200th anniversary of the Moscow State University, 1755-1955] Poverkhnostnye khimicheskie scedineniia i ikh rol' v iavleniiakh adsorbtsii; sbornik trudov konferentsii po adsorbtsii, posviashchennoi 200-letiiu Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova, 1755-1955. Moskva, Izd-vo Mosk, univ., 1957. 367 p. (MLRA 10:5) (Surface chemistry) (Adsorption)



DZHIGIT, O.M.; KISELEV, A.V.; MUTTIK, G.G.

Heats of adsorption of p-diethyl ether on silica gel [with summary in English]. Koll.zhur. 23 no.4:504-505 Jl-Ag '161.

1. Moskovskiy universitet im. M.V. Lomonosova.
(Esther) (Heat of adsorption)

DZHIGIT, O.M.; KISELEV, A.V.; MUTTIK, G.G.

Heat of adsorption of water vapor on silica gel with hydrated and dehydrated surfaces. Koll.zhur. 23 no.5:553-562 S-0 '61.

1. Moskovskiy universitet, Khimicheskiy fakul'tet, Laboratoriya adsorbtsii.

(Water tapor) (Silica) (Heat of adsorption)

DZHIGIT, O.M.; ZHDANOV, S.P.; KISELEV, A.V.; MUTTIK, G.G.

Differential heats of adsorption of n-pentane and diethyl ether by porous arystals of seclite of type 5A. Zhur. fis. khim. 36 no.41919-920 Ap '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimicheskiy fakul'tet i Institut khimii silikatov AN SSSR.

(Heat of adsorption) (Pentane) (Ethyl ether)

(Zeolite crystals)

S/069/63/025/001/001/008 B101/B186

AUTHORS:

Dzhigit, O. M., Kiselev, A. V., Muttik, G. G.

TITLE:

Nature of adsorption by zeolites. Differential heat of adsorption of diethyl ether vapor and n-pentane vapor on

porous crystals .

PERIODICAL:

Kolloidnyy zhurnal, v. 25, no. 1, 1963, 34-42

TEXT: The adsorption properties of molecules having similar geometric but different electronic structures were studied. For this purpose diethyl ether and n-pentane adsorbed on porous zeolite crystals of type 13X (0.97Na20.Al203.2.96Si02) and 10X (0.31Na20.0.66Ca0.Al203.2.95Si02) were used. The results were compared with those obtained earlier (Zh. fiz. khimii, 36, 919, 1962) for zeolite 5A which also contained Ca2+ions. Its channelways, however, were narrower than those of 10X. Results: In 13X, the adsorption heat QaE of ether was approximately 80% higher than QaP of pentane. QaE was almost constant as the amount a (mmoles/g) of adsorbed Card 1/3

S/069/63/025/001/001/008 B101/B186

Nature of adsorption by ...

substance increased, and always larger than Q_{aP} owing to electrostatic interaction between ether dipoles and Na⁺ ions of zeolite. Q_{aP} increased with a and passed a maximum owing to interaction among pentane molecules which were more densely packed on the zeolite surface. The curve Q_a versus a of 10X first dropped for ether as well as pentane owing to inhomogeneities of the electrostatic field formed by Ca²⁺ and Na⁺ ions. In contrast to Q_{aE}, Q_{aP} increased with a, but less intensively than in 13X. Q_a (kcal/mole) is given for the degrees of population 0 = 0.1 and 0.5 for ether on 5A: 25.6, and 22.0; on 10X: 22.3 and 20.2; on 13X: 21.1 and 21.0; for pentane on 5A: 14.2, and 15.6; on 10X: 13.5 and 13.0; on 13X: 12.2 and 14.0. Adsorption on zeolites with high adsorption energy affects the molecular packing of the adsorbates. Thus, the ratio a_E/a_P of the concentrations of adsorbed ether and pentane at p/p_s = 0.5, is 1.12 in 5A, 1.18 in 10X, and 1.19 in 13X, whereas c_E/c_P of the liquids is only 1.11. There are 4 figures and 1 table. The most important English-language references are: R. M. Barrer, S. Wasilewski, Trans. Faraday Soc., 57, Card 2/3

DEHIGIT, O.M.; KISELEV, A.V.; MIKOS, K.N.; MUTTIK, G.G.

Heat of adsorption of water vapors on zeolite of the Na-faujasite type. Zhur. fiz. khim. 38 no.7:1791-1796 J1 164.

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimi-

DZHIGIT, O.V. [Dzhyhit, O.V.]

From the work practices of Kharkov pharmacies. Farmatsev. zhur. 17 no. (MIRA 17:10)

l. Kontrol'no-analiticheskaya laboratoriya aptechnogo upravleniya Khar'kovskogo oblastnogo otdela zdravookhraneniya.

USSR/Human and Animal Morphology - Normal and Pathologicall Skeleton. Supporting Connective Tissue

S

Abs Jour

: Ref Zhur Biol., No 11, 1958, 50343

Author

: Dzhigora S m

Inst Title

: Significance of Morphological Structure of the Haversian Canals and Spongiosa in Determination of the

Species of the Bones.

Orig Pub

Wrachebn. delo, 1957, No 1, 49-52

Abstract

: The structure of haversian canals and dentate substance of the femoral, tibial, fibular and certain flat bones was studied. The average number of Haversian canals per 1 square mm in the femoral bone in man is 7-20, in swine 77, in cattle 38. The smaller the number of canals, the greater their size. In man they are larger than in animals (diameter of round ones is 21-174 and that of oval ones 16-200 A.). Morphology of the Haversian

Card 1/2

USSR/Human and Animal Morphology - Normal and Pathological. Skeleton. Supporting Connective Tissue

S

Abs Jour

: Ref Zhur Biol., No 11, 1958, 50343

canals in fresh and skeletized cadavers is almost identical: in skeletized ones the system of bone lamellae is more markedly expressed, and the cellular elements are absent. In man, osseous stems are larger but the spacing between them is smaller than in animals.

Card 2/2

- 36 -

DZHIGORA, S.T.

Height determination in the examination of skeletons. Vrach.delo no.8:843-845 Ag '57. (MLRA 10:8)

1. Kafedra sudebnoy meditsiny (zav. - prof. Yu.S.Sapozhnikov)
Kiyevksogo meditsinskogo instituta
(SKELETON) (MEDICAL JURISPRUDENCE) (ANTHROPOMETRY)

DZHIGORA, S. T.

Cand Med Sci - (diss) "Problems of legal medical expertise of skeletized corpses." Khar'kov, 1961. 17 pp; (Khar'kov State Med Inst); 300 copies; price not given; (KL, 10-61 sup, 224)

DZHIGORA, S.T.

Sexual dimorphism of the clavicles. Sud.-med. ekspert. 5 no.1: 16-19 Ja-Mr 162. (MIRA 15:4)

1. Kafedra sudebnoy meditsiny (zav. - prof. Yu.S.Sapozhnikov)
Kiyevskogo meditsinskogo instituta.
(DIMORPHISM) (CIAVICLES)

GURIYEV, A.Ya.; TSALIKOVA, M.B.; DZHIKAYEV, Kh.F.

Mechanism of magnetite formation in the sintering of lead charges. Inv. vys. ucheb. zav.; tsvet. met. 4 no.5:90-96 (MIRA 14:10)

1. Severokavkazskiy gornometallurgicheskiy institut, kafedra metallurgii tyazhelykh tsvetnykh metallov.
(Lead-Metallurgy) (Magnetite)

DZHIKAYEVA, G.A.

Experimental investigation of Orkhevi gaisa [in Georgian with summary in Russian]. Trudy Enst. stroi. dela AN Gruz. SSR 3: 235-240 '51. (MLRA 9:10)

(Georgia -- Volcanic ash, tuff, etc.)

DZHIKAYEVA, G.A.; BAKHTADZE, I.D.

Experimental study of the physico-mechanical properties of gaize and gaize mortars. Trudy Inst. stroi. dela AN Gruz. SSR 4:231-237 '53. (MLRA 9:10)

(Glauconite) (Building materials)

DZHIKAYEVA, G.A.

Some problems of the strength of coarse porous concrete [in Georgian with summary in Russian]. Trudy Inst.stroi.dela AN Grus.SSR 5: 185-191 '55. (MLRA 9:8)

DZHIKAYEVA, G.A.; AYZENBERG, A.A.

Building microporite based on loesslike clayey soils from Georgia. Trudy nauch.korr.Inst.stroi.dela AN Gruz.SSR no.1:19-21 56. (MIRA 13:5)

DZHIKAYEVA, G.A.

Using lightweight aggregates in making coarse porous concretes.

Trudy Inst. stroi. dela AN Gross. SSR 6:167-179 157. (MIRA 11:8)

(Lightweight concrete)

DZHIKAYEVA, G.A., starshiy nauchnyy sotrudnik

Temporary instructions on making and using coarse ocrous concretes made with lightweight aggregates; supplement. Trudy Inst. stroidela AN Gruz. SSR 6:180-183 '57. (HIRA 17:8) (Lightweight concrete)

DZHIKAYEVA, G.A.

DZHIKAYEVA, G.A.

Some problems of the adhesion of mortar to large pumice concrete blocks. Trudy Inst.stroi.dela AN Gruz.SSR 8:97-106 '60.

(MIRA 14:10)

(Adhesion) (Hortar) (Concrete blocks)

DZHIKAYEVA, G.A.; ABUYEVA, Z.A.

Aglokeramzit in local sands. Trudy Inst. stroi.mekh. i seism. AN Gruz. SSR 9:167-174 63. (MIRA 17:12)

D24/11A/FVA, M.A.

USSR/Soil Science. Genesis and Geography of Soils.

I-2

Abs Jour: Referat Zh-Biol., No 6, 25 March, 1957, 22439

Author : Dzhikayeva, M.A.

Inst ":

Title : The Composition of the Brown Forest Soils of Borzhom Ravine

in Connection with Forest Composition.

Orig Pub: Soobshch. GruzSSR, 1956, 17, No 1, 45-51.

Abstract: The brown forest soils of the Borzhom ravine are distinguished by great variety, which is due to the forest composition and the accumulation in the soil of organic matter, the degree of its decomposition, the development of sodding and podzolization. In brown soils of pine and fir forests, the absorption capacity reaches 61-67 meav with a predominant absorption of calcium, by 70-80%. In soils covered by beach forests, the quantity of absorbed bases is 28-49 meav and there is a large percentage of absorbed hydrogen. The content of organic matter in pine forest litter

Card : 1/2

-13-

USSR/Soil Science. Genesis and Geography of Soils.

I-2

Abs Jour: Referat Zh-Biol., No 6, 25 March, 1957, 22439

is 18.76-44.13%, and in fir forest litter is 45.91-33.84% [sic!]. The humus content in beech forests soils is 14.7%, and in pine forest soils 10.78%. Significant differences are noted in the ratio of C/N in soils of coniferous and beech forests. The highest humus solubility is noted in beech forest soils by comparison with fir and especially pine forests. In the pine forest litters and in the layer of 3-16 cm, there are $1\frac{1}{2}$ times less humic acids than fulvic (?) acids. In the fir forest soils, the fulvic acids are thrice greater than the humic acids, and in the layer of 17-25 cm, the humic acids and fulvic acids are in almost equal proportions. In fir forest podzol soils, in the litter, the proportion of humic to fulvic acid is 0.48, but in the layer of 12-22 cm, this proportion is markedly changed in favor of fulvic acids. A large content of fulvic acids is found in brown forest soil.

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CIA-RDP86-00513R000411910012-2

DZHIKIDZE, K. K.

USSR/Medicine - Dysentery

Dec 53

"Experimental Investigation of the Combined Method of Immunotherapy and Chemotherapy for the Treatment of Dysentery, " V. L. Troitskiy, M. A. Tumanyan, E. K. Dzhikidze, Inst of Epidemiol and Microbiol im N. F. Gamaleya, Acad Med Sci USSR; Sukhumi Med-Biol Sta, Acad Med Sci USSR

Zhur Mikro Epid i Immun, No 12, pp 37-43

Expts described show that application of active immunization and of chemotherapy with two antibiotics, one of which (levomycetin and/or synthomycin) penetrates easily into the blood from the intestine, while the other (streptomycin or grizemin) stays in the intestine, is the most effective method of treating monkeys which carry Flexner bacilli or monkeys artificially infected with Sonne bacilli. Macacus rhesus monkeys were used in the expts. They were immunized with Chernokhovostov's alcohol vaccine or the new "dysentery immunogen" (a polysacharide-protein complex from dysentery bacilli bouillon cultures, to be used parenterally or enterally(. The results obtained on animals warrant investigation of the method on humans.

DZHIKIDZE, E. K.

"Dysentery Bacilli Carrying in Monkeys." Cand Med Sci, Acad Med Sci USSR, 23 Dec 54. (VM, 10 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556 24 Jun 55

DZHIKIDZE, K.

Bacteriophage therapy of monkeys carrying dysentery microbes.

Zhur. mikrobiol. epid. i immun. no.6:66 Je '54. (MIRA 7:7)

1. Iz Sukhumskoy mediko-biologicheskoy stantsii Akademii meditsinskikh nauk SSSR (BACTERIOFHAGE) (MONKEYS--DISEASES)

(SHIGHLIA PARADYSENTERIAM)

FD-2257

Card 1/1

Pub 17-8/20

Author

Miminoshvili, D. I.; Dzhikidze, E. K.

Title

On the significance of a disturbance of higher nervous activity in

the contraction of dysentery

Feriodical:

Byul. eksp. biol. 1 med. 3, 29-33, Mar 1955

Abstract

Investigated the relationship between a disturbance (in this case, neurosis) in higher nervous activity and the contraction of dysentery in monkeys given dysentery bacteria orally. Microsection. No

references.

Institution:

Laboratory of Physiology and Pathology of Higher Nervous Activity and the Laboratory of Infectious Pathology of the Sukhumskaya Medico-Biological Station (Director - I. A. Utkin, Kand, Biological Sciences),

Academy of Medical Sciences USSR

Submitted :

May 20, 1954 by V. N. Chernigovskiy, Member of the Academy of Medical

Sciences USSR

DZHIKIDZE, E. K., GEKKER, V. D. and GAVRILOVA, Yu. A.

"The Role of Nutrition in the Pathogenesis of Dysentery" Proceedings of Inst. Epidem and Microbiol im. Gamaleya 1954-56

Interinstitute Scientific Conference on Problems of Dysentery [The following are identifications of personnel associated with the Institute of Epidemiology and Microbiology imeni N. F. Gemaleya who attended the conference held in Molotov, 4-7 April 1956] Inst. Epidem and Microbiol im. Gamaleya AMS USSR.

SO: Sum 1186, 11 Jan 57.

2115. TUMANYAN M. A., DZHIKIDZE F. K., and AKSENOVA A.S. N. F. Gamalei Inst. of Epidemiol. and Microbiol., Acad. of Med. Sci. of the USSR, Moscow and the Sukhum Medico-biol. Station. * The effectiveness of prophylactic vaccination against dysentery in experiments on mon-keys Z. MIKROBIOL. 1956, No. 9 (81-86) Tables 2 (Russian text) Several groups of Macaca rhesus monkeys (21 monkeys in all) were immunized against dysentery in various ways (1) tablets by mouth, three times; (2) formalized vaccine subcutaneously, three times; (3) 'Immunogen' by mouth, six times ('Immunogen' is an antigenic polysaccharide-protein complex, extracted from bacterial bodies); (4) a living culture of Sonne subcutaneously, once; (5) parenteral-enteral (formalized vaccine subcutaneously once and oral 'Immunogen' three times). Two months after vaccination all the experimental monkeys together with controls were infected by mouth with a living culture of Sonne dysentery habilit (Seform 90) infected by mouth with a living culture of Sonne dysentery bacilli (S-form, 90 thousand million organisms). Repeated examination of the faeces of the monkeys before infection had shown that none were carriers. After infection the faeces were cultured daily and rectoscopy done weekly. Clinical data were also taken into consideration. Observations showed that 24-48 hr. after infection all the immunized and unimmunized monkeys sickened with dysentery but the clinical picture was more obvious in the control animals. The severity of the course of the illness and its duration were approximately the same in all the groups of immunized monkeys. After infection, excretion of B. sonnei was observed in all the monkeys. In the majority of immunized monkeys excretion of B. sonnei continued for 2-3 days; unimmunized monkeys excreted the bacilli during the whole course of the observations (3 weeks). Rectoscopy showed that even in the absence of bacterial excretion in immunized monkeys, there were changes characteristic of dysentery in the large intestine. Hence, vaccination of monkeys, although it does not protect them from dysenteric infection, renders the course of the illness less severe and significantly shortens the period during which bacteria are excreted. Kaulen - Moscow

2116. DZHIKIDZE E. K. Medico-biol. Stat., Acad. of Med. Sci. of the USSR, Sukhumi.

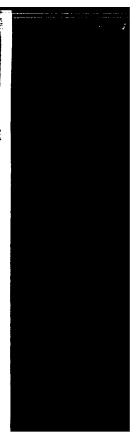
The dysentery carrier-state in monkeys (Russian text)

In 22 monkeys - so-called 'healthy' bacterial excreters, which had not had an antecedent dysenteric iliness - clinical and bactericological investigations were carried out 1-3 times a week for a period of 2.5-12 months. In 18 of them symptoms of intestinal dysfunction (loose stools, often verging on the pathological; gaping of the anus; enlargement of the mesenteric glands etc.) were observed. The general condition of the animals (weight, temperature, activity, appetite) remained satisfactory. Rectoscopy in all the animals showed pathological changes in the mucous membrane of the large intestine. The sera of all the monkeys contained agglutinins to B. Rexnerin titres of 1:50 to 1:1800. Twenty healthy monkeys and 35 persistent bacterial excreters were also subjected to rectoscopy. The appearances of catarrhal recto-sigmoiditis were seen in 30 of the latter group. Four to eighthours after subcutaneous injection of a vaccine prepared from a monkey strain of Flexner, com-

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pletely liquid stools occurred in all the bacterial excreters. This exacerbation of the dysenteric process continued in the majority of cases for 2-3 days. Similar exacerbation of the dysenteric process occurred in experimental measles infection, in pregnancy and in the post-natal period. In 17 monkeys, classed as healthy bacterial excreters, post-mortem examination showed morphological changes characteristic of dysentery. The results obtained show that, in bacterial dysentery, a prolonged 'healthy' carrier state does not exist; the condition is really a chronic dysenteric process.

Chakhava - Moscow



DZHIKIDZE, E.K.

Result of repeated infection of monkeys with Monne dysentery.

Zhur ikkrobiol., epidem. i immun. 27 no.3:3-7 Mr. 56. (MIRA 9:7)

1. Is Sukhumskoy mediko-biologicheskoy stantsii ANN SSSR.
(DISENTERY, BACILIARY, experimental,
repeated infect. of monkeys with Sonne dysentery (Bus))

DZHIKIDZE, E.K.; GVAZAVA, I.S.; KOVTARADZE, K.H.

Comparative study of narious methods for treating experimental Sonne dysentery in monkeys [with summary in English]. Antibiotiki' 2 no.6:20-27 H-D 157. (MIRA 11:2)

1. MedikoObiologicheskaya stantsiya AMN SSSR (Sukhumi)
(DYSENTERY, BACILLARY, experimental,
antibiotics, comparison in monkeys (Rus))
(AMTIBIOTICS, effects,
on exper, becillary dysentery in monkeys (Rus))